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Substitute for form 1449/PTO	Complete if Known				
	Application Number				
INFORMATION DISCLOSURE	Filing Date				
	First Named Inventor	Dave Van Vliet			
STATEMENT BY APPLICANT	Art Unit				
(Use as many sheets as necessary)	Examiner Name				
Sheet 1 of 5	Attorney Docket Number	60538/2:1			

Examiner	Cite	Document Number	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where
Initials*	No.1	Number-Kind Code <sup>2 (# known)</sup>	MM-DD-YYYY	Applicant of Cited Document	Relevant Passages or Relevan Figures Appear
FP	1	US- 3,311,097	03/28/1967	Mittelstaedt	
i	2	<sup>US-</sup> 3,505,188	04/07/1970	Pei-Tai Pan	
	3	US- 3,980,053	09/14/1976	Horvath	
	4	<sup>US-</sup> 3,981,789	09/21/1976	Harrison, et al.	
	5	<sup>US-</sup> 4,009,104	02/22/1977	Behrendt, et al.	
	6	US- 4,014,777	03/29/1977	Brown	
.	7	US- 4,036,726	07/19/1977	Gale, et al.	
	8	US- 4,062,754	12/13/1977	Eibl	
Ī	9	<sup>US-</sup> 4,101,409	07/18/1978	Austin	
	10	US- 4,140,609	02/20/1979	Zucker	
	11	<sup>US-</sup> 4,169,029	09/25/1979	Smirnov, et al.	
	12	US- 4,179,347	12/18/1979	Krause, et al.	
	13	<sup>US-</sup> 4,184,931	01/22/1980	Inoue	
	14	US- 4,206,031	06/03/1980	King	
$\neg$	15	US- 4,384,943	05/24/1983	Stoner, et al.	
I	16	US- 4,439,290	03/27/1984	Marfurt, et al.	
	17	<sup>US-</sup> 4,755,305	07/05/1988	Fremont, et al.	
	18	<sup>US-</sup> 4,772,369	09/20/1988	Mercier, et al.	
	19	<sup>US-</sup> 4,908,109	03/13/1990	Wright	

		FORE	IGN PATENT DOCU	MENTS		
Examiner Initials*		Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	
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Substitute for form	1449/PTO					
		Application Number				
INFORM	ATION DISCLOSURE	Filing Date				
		First Named Inventor	Dave Van Vliet			
STATEM	IENT BY APPLICANT	Art Unit				
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			U. S. PATEN	T DOCUMENTS				
Examiner Initials*	Cite No.1	Document Number  Number-Kind Code <sup>1 (f known)</sup>	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear			
FΡ	20	<sup>US-</sup> 4,919,775	04/24/1990	Ishigaki				
L	21	<sup>US-</sup> 4,956,057	09/11/1990	Stucki, et al.				
	22	US- 5,091,152	02/25/1992	Thomas, Sr.				
	23	<sup>US-</sup> 5,108,563	04/28/1992	Cook				
	24	<sup>US-</sup> 5,256,263	10/26/1993	Kanai				
	25	<sup>US-</sup> 5,304,289	04/19/1994	Hayakawa				
	26	US- 5,324,398	06/28/1994	Erickson, et al.				
	27 US- 5,376,242 12/27/199		12/27/1994	4 Hayakawa				
			03/21/1995	Carey, et al.				
	29	<sup>US-</sup> 5,435,894	07/25/1995	Hayakawa				
	30	US- 5,439,567	08/08/1995	Cook				
	31	<sup>US-</sup> 5,460,702	10/24/1995	Birkbeck, et al.				
	32	<sup>US-</sup> 5,549,800	08/27/1996	lwata				
	33	<sup>US-</sup> 5,549,812	08/27/1996	Witt a.k.a. Witte				
	34	US- 5,599,437	02/04/1997	Taylor, et al.				
	35	<sup>US-</sup> 5,611,907	03/18/1997	Herbst, et al.				
	36	<sup>US-</sup> 5,614,078	03/25/1997	Lubin, et al.				
	37	<sup>US-</sup> 5,695,650	12/09/1997	Held				
	38	<sup>US-</sup> 5,698,107	12/16/1997	Wurzburger, et al.				

		FOREI	GN PATENT DOCU	MENTS		_
Examiner Initiats*	Cite No.	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	
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Filing Date

Art Unit

First Named Inventor

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

**Examiner Name** Attorney Docket Number 60538/2:1

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Examiner nitials*	Cite No.1	Number-Kind Code <sup>2 (f Rnown)</sup>	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
FP	39	<sup>US-</sup> 5,851,404	12/22/1998	Christy, et al.	
1	40	<sup>US-</sup> 5,928,490	07/27/1999	Sweeney	
	41	US- 5,935,392	08/10/1999	Lubin, et al.	
	42	<sup>US-</sup> 5,935,412	08/10/1999	Brainard II	
	43	<sup>US-</sup> 6,126,794	10/03/2000	Chambers	
	44	<sup>US-</sup> 6,126,838	10/03/2000	Huang, et al.	
	45	<sup>US-</sup> 6,139,710	10/31/2000	Powell	
	46	us- 6,179,977	01/30/2001	Herbst	
	47	<sup>US-</sup> 6,179,991	01/30/2001	Norris, et al.	
	48	<sup>US-</sup> 6,238,546	05/29/2001	Knieper, et al.	
	49	<sup>US-</sup> 6,241,861	06/05/2001	Herbst	
	50	<sup>US-</sup> 6,294,061	09/25/2001	Morkovsky, et al.	
	51	<sup>US-</sup> 6,315,886	11/13/2001	Zappi, et al.	
1	52	US- 6,328,875	12/11/2001	Zappi, et al.	
T	53	US- 6,346,197	02/12/2002	Stephenson, et al.	
	54	<sup>US-</sup> 6,391,184	05/21/2002	Orolin, et al.	
	55	<sup>US-</sup> 6,419,815	07/16/2002	Chambers	
	56	<sup>US-</sup> 6,482,327	11/19/2002	Mori, et al.	
1	57	<sup>US-</sup> 6,488,835	12/03/2002	Poweil	

		FOREIC	IN PATENT DOCU	MENTS		
Examiner Initials*	Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	
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Dave Van Vliet

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Application Number Filing Date

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Substitute for form 1449/PTO

INFORMATION DISCLOSURE

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17		<sup>US-</sup> 6,521,133	02/18/20		Roedig				
	59	US- 6,547,951							
	60	US- 6,576,096			<del> </del>	s, et al.			
	61	US- 6,613,202	09/02/20		Herbst,				
	62	US- 6,613,217	09/02/20		Gilmore				
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						Art Unit		
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		NON PATENT LITERATURE DOCUMENTS	
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FP	64	BATTELE, "Battelle and D-H20 Demonstrate a Novel Pulsed Electric Field Technology to Substantially Reduce Biosolids," News Release, http://www.battelle.org/news/02/04-19-02Biosolids.stm, 2 pgs, April 19, 2002.	
	65	DONALD MILLS, "A New Process for Electrocoagulation," Journal AWWA, Plant Operation, June 2000, pgs. 34-43, Volume 92, Issue 6.	
$\perp$	66	Zappi Water Purification Systems, "Patents & Publications," visited 11/6/96, http://www.zappisystems.com/patents.htm, 1 page.	
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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

of 1

Application Number	10/17,921 10/717,451
Filing Date	November 19, 2002
First Named Inventor	Dave Van Vliet
Art Unit	
Examiner Name	
Attorney Docket Number	60538/2:1

Complete if Known

**U. S. PATENT DOCUMENTS** Examine Cite Document Number **Publication Date** Name of Patentee or Pages Columns Lines Where Initials\* MM-DD-YYYY Relevant Passages or Relevant Applicant of Cited Document Figures Appear Number-Kind Code<sup>2</sup> (# known) <sup>US-</sup> 5,338,421 1 04/16/1994 Abe et al. US-US. US-US-US-US UŞ-US-US-US-US-US-US US-US-US-US-US-

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<u> </u>	<del>                                     </del>	US- 4 747 460	05/01/1988	Chau et al	<del></del>		
<u>FP</u>		<sup>US-</sup> 4,717,450	05/01/1988	Shaw, et al.			
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Examiner Initials*	Cite No.1	Foreign Patent Document  Country Code <sup>3</sup> "Number <sup>4</sup> "Kind Code <sup>8</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>0</sup>
FP	<b>-</b>	EP-0748984	12/18/1996	Eastman Kodak		
FP		JP-2001276830	10/09/2001	Sanyo Electric		V
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Substitut	te for form 1449/PTO			Complete if Known			
	101011111111111111111111111111111111111			Application Number	10/717,951		
INFO	ORMATION	DIS	CLOSURE	Filing Date	November 19, 2003		
STA	TEMENT B	Y A	PPLICANT	First Named Inventor	Dave Van Vliet		
	44			Art Unit			
	(Use as many she	ets es i	lecessary)	Examiner Name			
Sheet	2	of	2	Attorney Docket Number	60538/2:1		

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
FP		INTERNATIONAL SEARCHING AUTHORITY, Invitation to Pay Additional Fees, dated April 27, 2004, 7 pgs, PCT   CA2003   01780	
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Substitute for form 1449/PTO	Complete if Known			
	Application Number	10/717,951		
INFORMATION DISCLOSURE	Filing Date	November 19, 2003		
	First Named Inventor	Dave Van Vliet		
STATEMENT BY APPLICANT	Art Unit			
(Use as many sheets as necessary)	Examiner Name			
Sheet 1 of 1	Attorney Docket Number	60538/2:1		

Examiner	Cite No.1	Document Number	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where
Initials* N	No.'	Number-Kind Code <sup>2 (F known)</sup>	MM-DD-YYYY	Applicant of Cited Document	Relevant Passages or Relevant Figures Appear
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STA	TEMENT E	3Y A	PPLICANT	T First Named Inventor Dave Van Vliet		
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Sheet	1	of	1	Attorney Docket Number	60538/2:1	

NON PATENT LITERATURE DOCUMENTS						
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FP		INTERNATIONAL PRELIMINARY EXAMINING AUTHORITY, Written Opinion in PCT/CA2003/01780, dated November 10, 2004, 5 pages.				
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Complete if Known Substitute for form 1449/PTO Application Number 10/717,951 Filing Date November 19, 2003 INFORMATION DISCLOSURE First Named Inventor Dave van Vliet STATEMENT BY APPLICANT Art Unit 1724 (Use as many sheets as necessary) Examiner Name Fred G. Prince Attorney Docket Number XOGN001-02US Sheet | 1

	U. S. PATENT DOCUMENTS							
Examiner Initials*	Cite No.1	Document Number  Number-Kind Code <sup>2 (F known)</sup>	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear			
FP	Α	<sup>us-</sup> 20040108203-A1	06-10-2004	Sullivan, John T				
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Cite No.	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	
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